



GSICS space weather subgroup meeting

Apr. 09, 2025



Today's Agenda

- GRWG SWx Sub-group Membership
- Brief Report on GSICS Annual Meeting 2025
- GSICS SWx SG – PRBEM joint web meeting on Apr. 15, 2025 (Piers)
- Work plan proposal (Hugh)
- Agenda Items
- Next sub-group meeting
- AOB

GRWG SWx Sub-group Membership

- Followings are the members of GRWG SWx Sub-group.
 - CMA Cong Huang
 - ESA Piers Jiggins, Hugh Evans, Juha-Pekka Luntama, **Melanie Heil**
 - EUMETSAT Andrew Monham
 - KMA **Eunjeong Cha**, Daehyeon Oh
 - NICT Tsutomu Nagatsuma (Chair)
 - NOAA Brian Kress, Juan Rodriguez, Christian Naylor, and Athanasios Boudouridis, Jim Spann, Janet Machol, Paul Lotoaniu, Dimitrios Vassiliadis
 - SPARC Ingmar Sandberg
 - WMO Jesse Andres

Breakout session (Mar. 17, 2025) 8 presentations

- **GOES-19 MPS-HI Calibration: The Newest GOES Radiation Belt Instrument (Athanasios Boudouridis, NOAA)**
- **GOES 16-19 Solar and Galactic Proton Sensor (SGPS) Cross-Calibrations During Oct-Nov 2024 SEP Events (Brian Kress, NOAA)**
- **FengYun-3H/WAI-II Prelaunch Test Results and The Calibration Approach In-orbit (Yafen Yang, CMA)**
- **ADITYA-L1 MISSION OF INDIA AND CROSS-CALIBRATION OF ASPEX, (Dibyendu Chakrabarty, PRL)**
- **In-orbit calibration and flux monitoring comparison of the Solar X-EUV imager on the Fengyun-3E satellite (Bowen Gong, CIOMP)**
- **Multi-Point Geostationary Observations of Major 2024 Space Weather Events: Data from GK2A, Himawari-9, GOES-16 and -18 (Daehyeon Oh, KMA)**
- **Long Term Variation of Cross-calibration results between Himawari8/SEDA and GOES16/MPS-HI (Tsutomu Nagatsuma, NICT)**
- **Cross-calibration of ESA Radiation Monitors (Ingmar Sandberg, SPARC)**

Daehyeon and Cong was working as note-takers. I will circulate the final draft of SWx breakout session's note for your review.



GSICS SWx SG – PRBEM joint meeting (Apr. 15, 2025)

- The GSICS Space Weather sub-group would like to have a meeting with PRBEM board members to discuss two items:
 - 1. The possibility to use the PRBEM Gitlab for storing data analysis scripts which are cleared for open sharing**
 - 2. The Data Analysis Procedure of PRBEM and their application to the work of the GSICS Sub-Group on Space Weather**
- Piers coordinating the web meeting on Apr. 15, 2025 11:00 UTC-.

Is there any other items to be discussed with PRBEM board members?

Teams information

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Tenant key: teams@meet.esa.int

Video ID: 123 759 091 3

More info<<https://esait.sharepoint.com/sites/esaitServicePortal/SitePages/How-to-connect-to-WebEx-or-Microsoft-Teams-meeting-with-Polycom.aspx>>

For organizers: Meeting options<https://teams.microsoft.com/meetingOptions/?organizerId=da272c7e-34a2-4058-804b-d375e61c55eb&tenantId=9a5cacd0-2bef-4dd7-ac5c-7ebe1f54f495&threadId=19_meeting_YTY0OGI0MDAtMDY5Mi00NmlyLTg1OGMtMmNmZTQ3ZTc2NGQx@thread.v2&messageId=0&language=en-US> | Reset dial-in PIN<<https://dialin.teams.microsoft.com/usp/pstnconferencing>>

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Org help<<https://esait.sharepoint.com/sites/esaitServicePortal/SitePages/How-to-contact-t.aspx>> | Privacy and security<https://www.esa.int/About_Us/Law_at_ESA/Highlights_of_ESA_rules_and_regulations>

Work Plan proposal (Hugh)

Action Items (1/3)

1. Hugh Evans to propose wording on the Work Plan to refine the target of defining a GSICS product into specific outputs: E.g. Initial GSICS deliverable (not requiring full definition of formats etc.); harmonized data levels, etc. -> **Hugh proposes working plan.**
2. ~~Proposing method of archival inter-calibration (Procedure of archival inter-calibration suggested by ESA (Piers))~~ -> **Proposed in the last meeting.**
3. On the basis of working plan of space weather subgroup, the following action items are suggested.
 - Please inform definition of data levels in each organization. (I already have information from ESA, NOAA, and CMA.) -> **Definition of data levels are reported from CMA, ESA, JAXA, NOAA, NICT, and WMO. The summary of data level will be discussed at next Sub-group meeting.**
 - Proposing application produced from multiple satellite data (Should we collect information form data user? It might be related to the activities of Task Group on the Improving Data Access in CGMS/SWCG.) -> **On Going**

Action Items (2/3)

- ~~4. Compare and discuss different cross-calibration methods used by different institutions and compare them to PRBEM Standard Data Analysis Procedure. → On Going → Close?~~
- ~~5. Provide names of people to invite to the SW subgroup meeting in Darmstadt. → Discuss in “Next GSICS Annual Meeting”~~
- ~~6. Next month, discuss and agree to an agenda for the SW subgroup meeting in Darmstadt. → Discuss in “Next GSICS Annual Meeting”~~
7. Can we make a decision point on these at the next meeting?
 - ~~1/ Decide on methodology for this group (e.g. to adopt PRBEM)~~
 - ~~2/ Include discussion on common code base, can we expand PRBEM gitlab in this direction? links us to COSPAR? → Discuss in “Standard Cross-Calibration Procedure”~~

→ We will have GSICS SWx SG – PRBEM joint meeting on Apr. 15, 2025.

Action Items (3/3)

8. ~~New action item from Larry Flynn:~~

- ~~— Please take a look at <https://gsics.wmo.int/en/focal-points> and consider who should be added to the list for the SW subgroup. The usual approach is for each agency to request the addition of their most active member as a focal point. [Note, Piers is already listed for ESA but not identified as SW.] → It seems almost all the member institute already register the focal point of Space weather. So action can be closed after reminding the members.~~

9. After COSPAR/PRBEM resolution is endorsed (we will ask chair of PRBEM(Miyoshi-san)), the member of SWx sub-group will discuss how to update PRBEM data analysis procedure with COSPAR/PRBEM members. → We will have GSICS SWx SG – PRBEM joint meeting on Apr. 15, 2025.

Next Meeting proposal

- **Next meeting: Jun. 18(Wed.), 2025 12:00UTC-**

AOB?
